

Information Technology

SONY

MULTISCAN W900

BROADEN YOUR HORIZONS



Trinitron



Multiscan W900

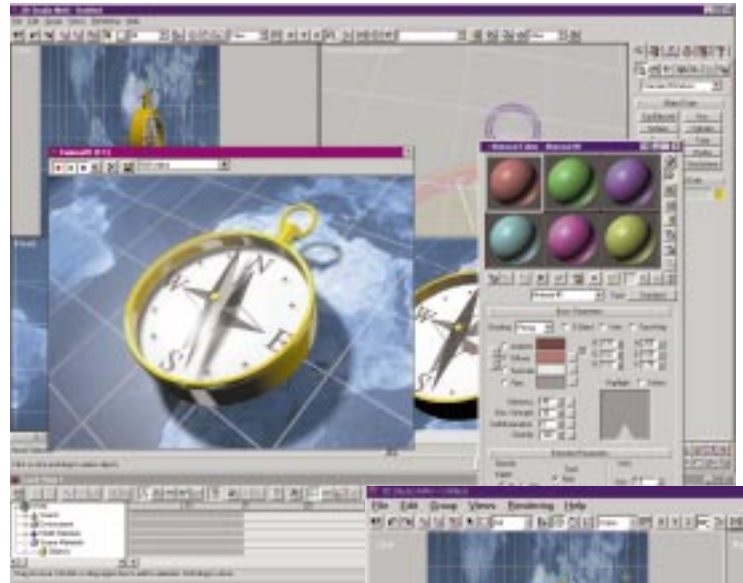
With computing
power constantly
stretching the
boundaries of
expectation, isn't
it time monitors
broadened their
horizons too?

Broaden your horizons

For a whole new perspective on screen space, take a look at the Multiscan W900 from Sony. With its unique 24 inch tube, this latest addition to the Trinitron Multiscan line-up provides an aspect ratio of 16:10 – that's enough viewing space to see two A4 pages side by side, or two applications multitasking comfortably next to one another.

A Wide Spectrum of Applications

Which of course is good news for document image processors, graphic designers, or users regularly switching between applications. Dealers on a busy trading room floor will be able to see information from many sources to help them make instant decisions. Video editors and graphic designers will be able to view their work and application control panels together on the same screen, a practical alternative to two monitors attached to one computer.



Professional 1280 x 1024 resolution...

CAD/CAM engineers will be able to work on the complexities of their designs in more detail without having to scroll so much.

Extra screen space means extra productivity

Not only is it more convenient to have a larger screen, research has proved that significant increases in productivity can result from the added space. Since all relevant data is visible at once, users do not have to readjust their view by switching between applications, which studies have shown can double or even triple their efficiency.

More Screen for the Same Footprint

The Multiscan W900's horizontal work area is 30 per cent greater than standard 20 inch displays and delivers higher resolutions – up to



...versus 1920 x 1200

1920 x 1200 in a 16:10 aspect ratio.

And yet, in spite of all this extra space, it has the same footprint as a 20 inch monitor. Its advantages are not limited to size, however. What makes the Multiscan W900 truly unique is breakthrough technology that provides unsurpassed colour fidelity,





increased clarity and accuracy and extensive user controls.

Variable Aperture Grille Pitch

The Multiscan W900 builds on well established Trinitron technology, already renowned for its crisp, clear pictures and high resolutions. What differentiates this new CRT is that for the first time, Sony has implemented a variable aperture grille pitch: 0.25 mm in the centre, already an achievement for 20 inch monitors, and 0.28 mm in the corners.

New Improved CRT

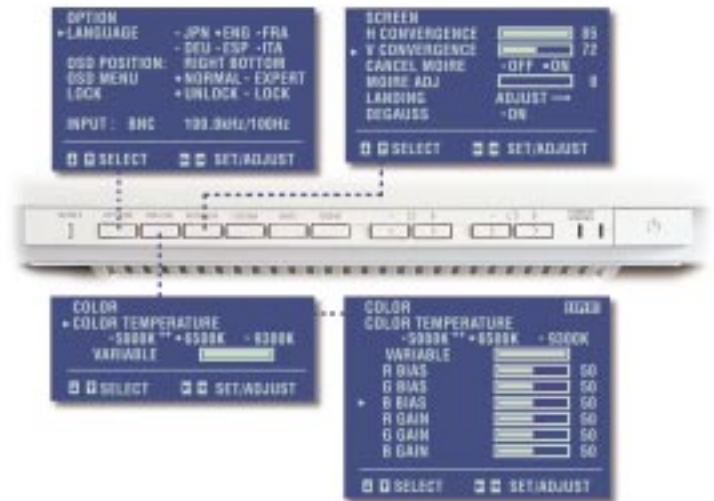
Another unique technical innovation is the newly developed tungsten-impregnated cathode ray gun. This effectively doubles the beam density from 0.5 A/cm² to 1 A/cm² while reducing the beam spot size. The result is dramatically increased clarity and accuracy, with consistent performance and superior focus for longer than traditional gun designs.



This allows the electron beam to accommodate the wide sweep of the screen by varying its length from the centre to the edges with no loss in brightness or colour accuracy. A unique development which brings Trinitron to the wide screen without any sacrifice in quality.

Blue Filter for Greater Brightness and Contrast

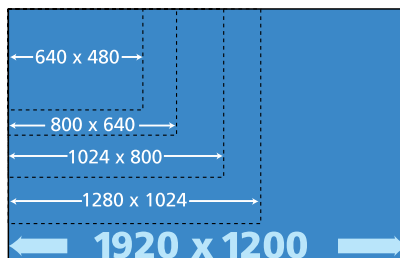
Trinitron has always been famed for its exceptional brightness and sharp contrast. Now the Multiscan W900 offers even more – a 23 % improvement on light transmittance, thanks to a new blue filter technology which transmits more of the light generated by the phosphor area. This leads to nearly 10 % more contrast.



Precision Control with Extended On-Screen Display

Anyone familiar with Sony Trinitron monitors knows that adjusting screen parameters is easy with On-Screen Display. The Multiscan W900 offers Normal and Expert Modes, so that experienced users can fine-tune size, centering, convergence and colour temperature in six languages. These easy-to-use controls make light work of picture adjustment, allowing fine-tuning with digital precision.



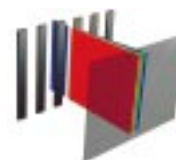


Comparison of common resolutions

Trinitron from Sony

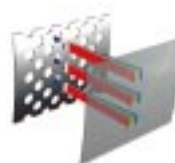
Originally a Sony invention, Trinitron technology is now a standard for most monitors. And here's why. Compared to conventional shadow

masks, the Trinitron's Aperture Grille lets more light through to the screen, for brighter colour and



Trinitron Aperture Grille

pur, sharper images. And the Sony secret? As pioneers in the field, Sony understands the technology and is continuously refining and updating its range of monitors in response to user demand. Latest developments include near-flat screens, improved focus features and smaller monitor footprints, making the latest Sony Trinitron line-up the best yet.



Conventional shadow mask

Trinitron from Sony – copied but never surpassed.

... it's an evolution!

- 24" Trinitron wide-screen monitor, for high-end applications in professional environments

ENVIRONMENTAL ERGONOMICS:

- TCO'95

INTERFACE ERGONOMICS:

- 24" wide-screen monitor, 16:10 aspect ratio
- Supports resolutions up to 1920 x 1200 at 75Hz
- Tungsten-impregnated electron gun
- Variable Aperture Grille Pitch (0.25 - 0.28 mm)
- Beam landing correction
- Enhanced colour temperature control
- Blue Filter for greater brightness and contrast
- Dual signal inputs and video input selection



DIGITAL
MULTISCAN

Dual Input Switch

The Multiscan W900 has dual video inputs like several high-end Sony monitors, but it also has a conveniently located manual switch for swapping between the two. This means that users can work from two computers simultaneously, changing models with the flick of a switch – even a PC and Macintosh. Alternatively, two users can work with the same monitor. Transfer seamlessly between graphics and CAD/CAM programs on your Mac – with the Multiscan W900 you'll be able to see designs and toolboxes easily on one screen – and wordprocessing packages and spreadsheets on your PC. The Multiscan W900 is a truly flexible workspace.

MAIN SPECIFICATIONS

MODEL CODE	GDM-W900
CRT	Super Fine Pitch™ Trinitron® tube; 24" (57.2 cm)
VISUAL AREA	484 mm x 306 mm (diagonal: 573 mm)
APERTURE GRILLE PITCH	0.25 mm (centre) - 0.28 mm (corner)
HORIZONTAL SCAN RANGE	30 to 96 kHz
VERTICAL SCAN RANGE	50 to 160 Hz
MAXIMUM REFRESH RATES	Sony 16:10: 1920 x 1200/76 Hz Sony 16:9: 1920 x 1080/85 Hz
PRESET GRAPHICS MODES	
VGA Graphics:	640 x 480/60 Hz Sony 16:9: 1920 x 1080/60 Hz
VGA Text:	720 x 400/70 Hz Sony 16:9: 1920 x 1080/72 Hz
VESA:	1280 x 1024/75 Hz Sony 16:9: 1920 x 1035/60 Hz
VESA:	1600 x 1200/75 Hz Sony 16:10: 1600 x 1024/76 Hz
VESA:	1600 x 1200/76 Hz Sony 16:10: 1920 x 1200/76 Hz
COLOUR TEMPERATURE CONTROL	
Normal mode:	5000 K/6500 K/9300 K, variable
Expert mode:	5000 K/6500 K/9300 K, variable, RGB Bias/Gain
COMPUTER INTERFACE	DDC 1, DDC 2B and DDC 2AB*
POWER CONSUMPTION	200 watts (maximum)
POWER MANAGEMENT	TCO'95, International Energy Star, VESA - Display Power Management Signalling (DPMS)

REGULATION COMPLIANCE

SAFETY

UL1950, CSA C22.2 No. 950, CE Mark (EN60950), SEMKO, NEMKO, DEMKO, EI

RADIATION/EMI

TCO'95, MPR II, FCC Class B, IC Class B, VCCI-2, CE Mark (EN50081-1, EN50082-1)

X-RAY

DHHS, DNHW, PTB

ERGONOMICS

TCO'95, TÜV/Rheinland Ergonomie, ISO-9241-3

FRONT PANEL CONTROLS (ON-SCREEN DISPLAY ASSISTED)

Brightness, Contrast, Horizontal size and centering, Vertical size and centering, Raster rotation, Pincushion distortion, Keystone distortion, Horizontal convergence, Vertical convergence, Cancel moiré, Beam landing, Degauss, Colour temperature, OSD language, OSD position and menu, Control panel lock, Video input selection

VIDEO INPUT	VGA (D-sub 15) and 5 BNC
POWER REQUIREMENTS	100-120/200-240 V AC, 50/60 Hz
DIMENSIONS (W x H x D)	580 mm x 500 mm x 548 mm
WEIGHT	41 kg
OPERATING TEMPERATURE	10° to 35° C
RELATIVE HUMIDITY RANGE	10 to 80 % (operating)
SUPPLIED ACCESSORIES	VGA (D-sub 15) to VGA (D-sub 15) cable, AC power cord
MANUAL	English, French, German, Spanish, Italian
PACKAGING	Ozone-friendly materials Fully recyclable container

* Please check with your PC supplier/graphics card manufacturer that your PC/graphics card is DDC compatible.

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